

## REMARKS

Claims 1-252 have been canceled and new claims 253-284 have been added.

The amendments to the specification update the status of related applications and corrects minor informalities noted during review. No new matter is added by the amendments to the specification.

Another version of these paragraphs, marked to show the changes made and employing underlining to show additions and brackets to identify deletions, and including numbered paragraphs (i)-(vi) to illustrate correspondence with the clean versions of these paragraphs, is attached on separate pages from this amendment, in accordance the provisions of 37 CFR §1.121(b)(1)(i)-(iii).

New claims 253-284 are supported by text appearing at p. 83, line 5 through p. 279, line 3 of the specification as originally filed.

New claims 253-284 are also supported by p. 193, line 9 et seq. and associated Figs. of the specification as originally filed.

New claims 253-284 are also supported by p. 175, line 8 through p. 217, line 24, and in Figs. 8.0504, 8.050401, 8.050401AA-CK, 8.050402, 8.050402AA-CJ, 8.050403, 8.050403AA-BI, 8.050405 and 8.050405AA-EJ of the specification as originally filed.

No new matter is added by new claims 253-284. New claims 253-284 distinguish over the art of record and are allowable.

This application is believed to be in condition for allowance and action to that end is requested. The Examiner is requested to telephone the undersigned in the event that the next office action is one other than a Notice

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page(s) are captioned **“Version with markings to show changes made.”**

Dated: March 30, 2001

The first of these is the fact that the
 *Journal of the American Medical Association*
 has been the only one of the four
 major medical journals to publish
 a statement of its policy on
 the use of the word "cancer"
 in the title of a paper. The
 statement, which was
 published in the
 *Journal* in 1964,
 reads: "The
 word 'cancer'
 should not be
 used in the
 title of a paper
 unless the
 disease is
 definitely
 cancer." This
 statement is
 a good example
 of the kind of
 self-censorship
 that is being
 practiced by
 the medical
 profession.

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**AMENDMENTS**

(i) This application is a continuation of U.S. Patent Application Serial No. 09/161,512, filed on September 28, 1998, which is a divisional of U.S. Application Serial No. 08/705,043, filed on August 29, 1996, now U.S. Patent No. 6,130,602 (incorporated herein by reference), which claims priority from U.S. Provisional Application 60/017,900, filed May 13, 1996, titled "Radio Frequency Data Communication Device."

(ii) Another aspect of the invention provides a method for conserving power in a radio frequency identification device, the method comprising periodically switching from a sleep mode to a receiver on mode and performing the following tests to determine whether to further switch to a microprocessor on mode because a valid radio frequency signal is present: (a) determining if any radio frequency signal is present and, if so, proceeding to step (b); and, if not, returning to the sleep mode; (b) determining if the radio frequency signal is modulated and has a predetermined number of transitions per a predetermined period of time and, if so, proceeding to step (c); and, if not, returning to the sleep mode; and [©] (c) determining if the modulated radio frequency signal has a predetermined number of transitions per a predetermined period of time different from the predetermined time of step (b) and, if so, switching to the microprocessor on mode; and, if not, returning to the sleep mode.

(iii) If the power source 18 is a battery, the battery can take any suitable form. Preferably, the battery type will be selected depending on weight, size, and life requirements for a particular application. In one embodiment, the battery 18 is a thin profile button-type cell forming a small, thin energy cell more commonly utilized in watches and small electronic devices requiring a thin profile. A conventional button-type cell has a pair of electrodes, an anode formed by one face and a cathode formed by an opposite face. Exemplary button-type cells are disclosed in several pending U.S. patent applications including U.S. Patent Application Serial No. 08/205,957, "Button-Type Battery Having Bendable Construction and Angled Button-Type Battery," listing Mark E. Tuttle and Peter M. Blonsky as inventors, now U.S. Patent No. 5,432,027; U.S. Patent Application Serial No. 08/321,251, "Button-Type Batteries and Method of Forming Button-Type Batteries," listing Mark E. Tuttle as inventor, now U.S. Patent No. 5,494,495; and U.S. Patent Application Serial No. 08/348,543, "Method of Forming Button-Type Batteries and a Button-Type Battery Insulating and Sealing Gasket," listing Mark E. Tuttle as inventor, now U.S. Patent No. 5,662,718. These patent applications and resulting patents are hereby incorporated by reference. In an alternative embodiment, the battery 18 comprises a series connected pair of button type cells. Instead of using a battery, any suitable power source can be employed.



Bonding Interconnect Having a Metal Bond Pad Portion and Having a Conductive Epoxy Portion Comprising an Oxide Reducing Agent," listing Rick Lake and Mark E. Tuttle as inventors, now U.S. Patent No. 5,480,834 and incorporated herein by reference.

(vi) The multiplier cell originally developed by Gilbert employed bipolar junction transistors. It is also known to employ MOS transistors to produce a Gilbert multiplier cell. See, for example, *Analog Integrated Circuits for Communication, Principles, Simulation and Design*, Donald O. Pederson and Kartikeya Mayaram, [Kluwer] Kluwer Academic Publishers, Third Printing, 1994, pp. 431-433.